

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
 Data File : VV025103.D
 Acq On : 18 Mar 2022 17:19
 Operator : SY/MD
 Sample : N2018-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0Q78

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VV025103.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.243	58	63	74	rVB	4817	5422	1.02%	0.061%
2	1.307	76	83	99	rVB	85764	86225	16.25%	0.962%
3	1.568	156	164	178	rBV	67861	76619	14.44%	0.855%
4	2.108	322	332	351	rVB	136852	200634	37.82%	2.239%
5	2.510	446	457	467	rVB4	2874	5342	1.01%	0.060%
6	3.896	877	888	921	rBV	51208	165353	31.17%	1.846%
7	4.365	1015	1034	1065	rBV3	129046	446263	84.12%	4.981%
8	5.050	1231	1247	1278	rBV2	213930	530516	100.00%	5.922%
9	5.619	1412	1424	1455	rBV	187242	376272	70.93%	4.200%
10	5.928	1508	1520	1531	rBV7	4570	10327	1.95%	0.115%
11	6.069	1551	1564	1596	rBV	118428	241270	45.48%	2.693%
12	6.516	1693	1703	1718	rVB2	5877	10782	2.03%	0.120%
13	6.989	1839	1850	1877	rBV	52722	98595	18.58%	1.101%
14	7.317	1940	1952	1967	rBV	276325	479504	90.38%	5.352%
15	7.394	1968	1976	1997	rVB	30438	57072	10.76%	0.637%
16	7.625	2039	2048	2065	rBV	27757	49581	9.35%	0.553%
17	7.940	2134	2146	2154	rBV4	5945	11683	2.20%	0.130%
18	8.088	2183	2192	2229	rBV	217797	402741	75.91%	4.495%
19	8.854	2419	2430	2458	rBV	268831	446979	84.25%	4.989%
20	9.146	2512	2521	2537	rBV2	2992	5701	1.07%	0.064%
21	10.214	2843	2853	2873	rBV	79187	124260	23.42%	1.387%
22	10.381	2893	2905	2920	rVB2	10683	17572	3.31%	0.196%
23	10.915	3064	3071	3083	rBV2	3911	5779	1.09%	0.065%
24	11.246	3164	3174	3194	rBV	288883	442712	83.45%	4.942%
25	11.336	3195	3202	3212	rVB2	4374	7053	1.33%	0.079%
26	11.532	3253	3263	3276	rBV4	15738	28880	5.44%	0.322%
27	11.622	3280	3291	3310	rVV	247477	390316	73.57%	4.357%
28	11.940	3385	3390	3401	rVB2	4508	5997	1.13%	0.067%
29	12.050	3417	3424	3432	rVB4	5054	7243	1.37%	0.081%
30	12.114	3436	3444	3459	rBV3	7920	15704	2.96%	0.175%
31	12.249	3476	3486	3494	rBV3	5858	9881	1.86%	0.110%
32	12.313	3494	3506	3517	rVB5	5257	11293	2.13%	0.126%
33	12.471	3547	3555	3568	rVB6	3423	6098	1.15%	0.068%
34	12.551	3568	3580	3587	rBV4	4540	7587	1.43%	0.085%
35	12.725	3627	3634	3641	rBV2	12590	16514	3.11%	0.184%
36	12.882	3674	3683	3693	rBV4	10476	15594	2.94%	0.174%

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 Title : TRACE VOA SFAM1.0

37	13.046	3725	3734	3747	rVB5	11313	19622	3.70%	0.219%
38	13.162	3758	3770	3779	rBV8	9018	17301	3.26%	0.193%
39	13.214	3779	3786	3794	rVB3	8503	11611	2.19%	0.130%
40	13.265	3794	3802	3808	rBV6	4821	7195	1.36%	0.080%
41	13.310	3808	3816	3818	rBV4	5145	6584	1.24%	0.073%
42	13.368	3827	3834	3847	rVB2	14322	22479	4.24%	0.251%
43	13.500	3856	3875	3899	rBV	294373	474332	89.41%	5.295%
44	13.609	3902	3909	3923	rVV3	14685	26433	4.98%	0.295%
45	13.705	3932	3939	3952	rVV4	12972	23373	4.41%	0.261%
46	13.767	3952	3958	3970	rVB8	3760	6434	1.21%	0.072%
47	13.908	3990	4002	4018	rVB7	8130	17784	3.35%	0.199%
48	14.037	4029	4042	4051	rBV2	8671	16935	3.19%	0.189%
49	14.098	4051	4061	4072	rBV7	7418	15227	2.87%	0.170%
50	14.233	4096	4103	4112	rVV7	5870	10231	1.93%	0.114%
51	14.300	4116	4124	4135	rVB6	9190	16629	3.13%	0.186%
52	14.439	4152	4167	4176	rBV9	6459	15719	2.96%	0.175%
53	14.570	4200	4208	4215	rBV7	3353	5317	1.00%	0.059%
54	14.628	4215	4226	4237	rBV	291797	458177	86.36%	5.114%
55	14.763	4259	4268	4273	rBV5	5696	8111	1.53%	0.091%
56	14.812	4273	4283	4298	rVV	271765	423226	79.78%	4.724%
57	15.361	4440	4454	4464	rVV2	57832	89879	16.94%	1.003%
58	15.422	4466	4473	4483	rVB4	11483	18533	3.49%	0.207%
59	15.551	4503	4513	4518	rBV	74746	112982	21.30%	1.261%
60	15.583	4518	4523	4533	rVV	59086	85294	16.08%	0.952%
61	15.664	4534	4548	4564	rVV	175389	295905	55.78%	3.303%
62	15.808	4582	4593	4600	rBV	246568	394669	74.39%	4.405%
63	15.844	4600	4604	4617	rVB	132534	184345	34.75%	2.058%
64	16.008	4644	4655	4657	rBV2	48432	63111	11.90%	0.704%
65	16.033	4658	4663	4672	rVV2	87553	140701	26.52%	1.571%
66	16.078	4673	4677	4682	rVV4	10936	12639	2.38%	0.141%
67	16.117	4683	4689	4696	rVB3	13176	17849	3.36%	0.199%
68	16.178	4696	4708	4718	rBV	65449	101748	19.18%	1.136%
69	16.284	4732	4741	4752	rBV	74746	111045	20.93%	1.239%
70	16.348	4752	4761	4762	rVV	12233	12211	2.30%	0.136%
71	16.381	4763	4771	4780	rVV3	43654	74600	14.06%	0.833%
72	16.435	4780	4788	4792	rVV2	14226	18829	3.55%	0.210%
73	16.474	4794	4800	4806	rVV3	27055	48683	9.18%	0.543%
74	16.516	4806	4813	4825	rVV	53716	106046	19.99%	1.184%
75	16.574	4825	4831	4837	rVV3	29361	43458	8.19%	0.485%
76	16.615	4838	4844	4852	rVV3	29889	45735	8.62%	0.510%

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 Title : TRACE VOA SFAM1.0

77	16.693	4853	4868	4870	rVV3	29326	57785	10.89%	0.645%
78	16.718	4870	4876	4883	rVV2	60051	96842	18.25%	1.081%
79	16.763	4883	4890	4907	rVB3	61346	116141	21.89%	1.296%
80	16.873	4916	4924	4927	rBV6	6858	9650	1.82%	0.108%
81	16.911	4928	4936	4946	rVB2	55224	84906	16.00%	0.948%
82	16.969	4946	4954	4964	rBV2	40449	65548	12.36%	0.732%
83	17.078	4977	4988	4989	rBV4	17318	23636	4.46%	0.264%
84	17.110	4990	4998	5005	rVV6	28208	55580	10.48%	0.620%
85	17.252	5035	5042	5054	rVB7	15534	26541	5.00%	0.296%
86	17.323	5057	5064	5075	rVB5	14153	21968	4.14%	0.245%

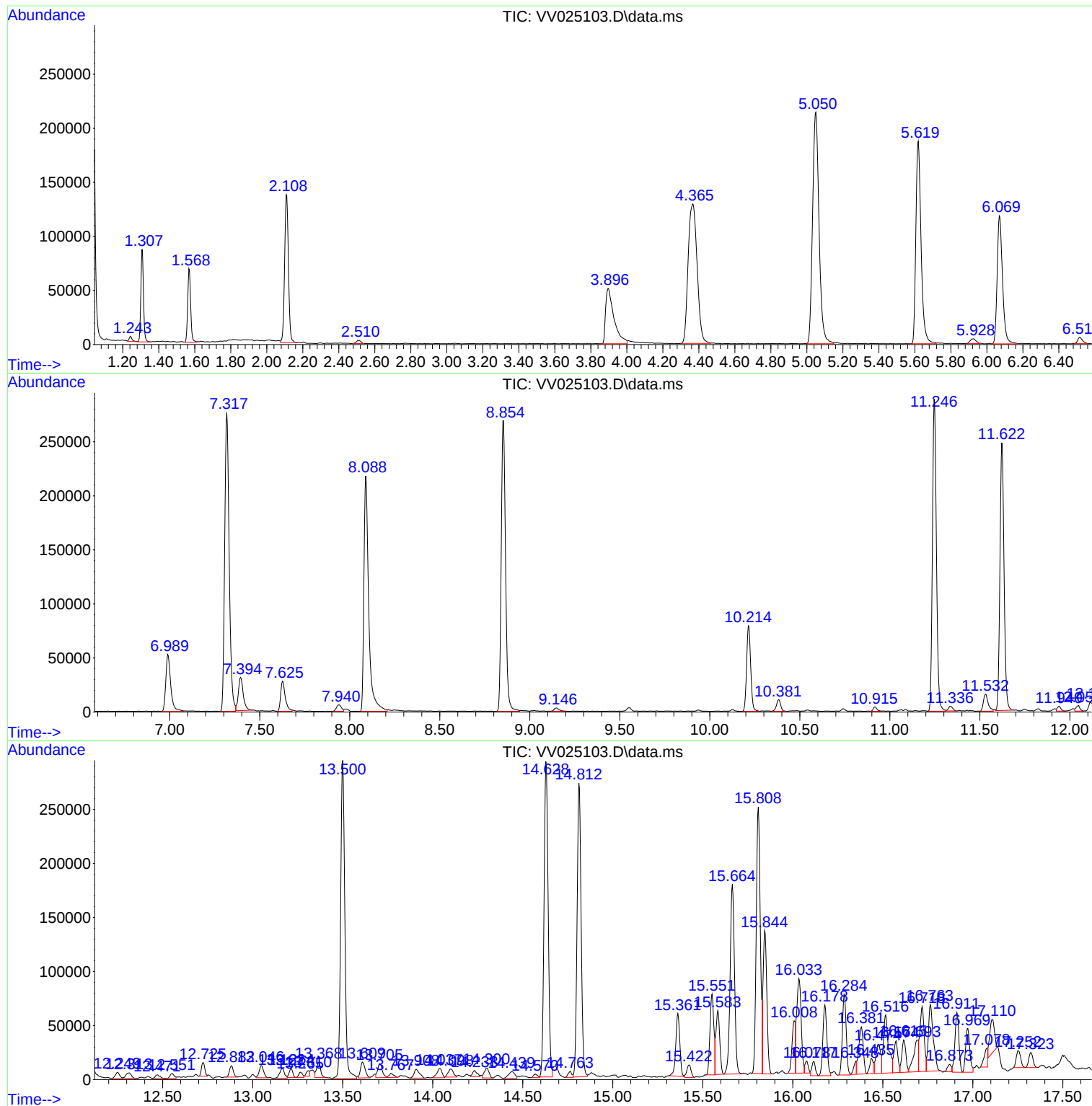
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Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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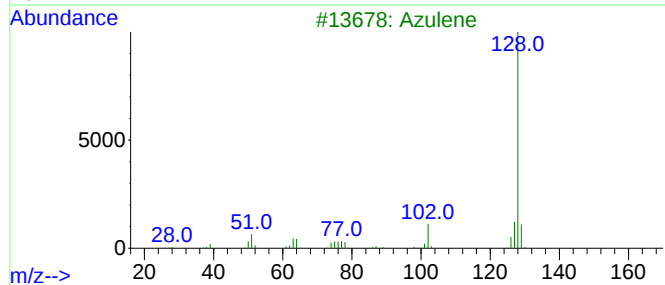
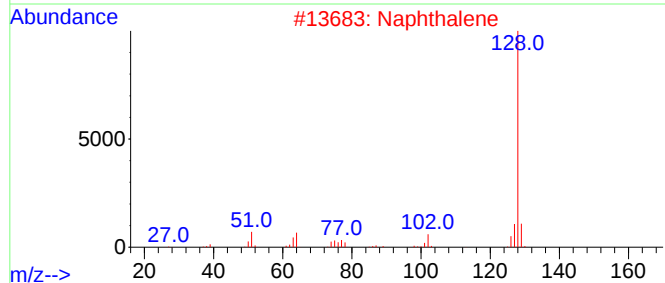
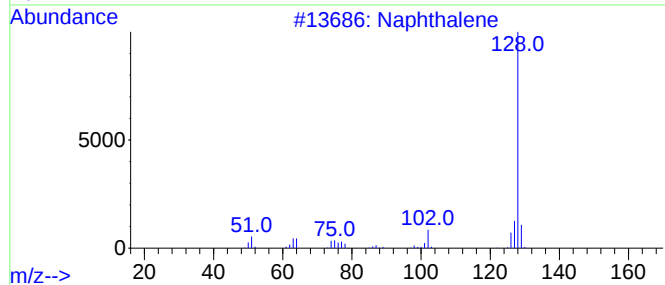
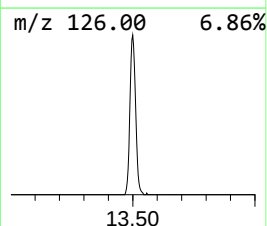
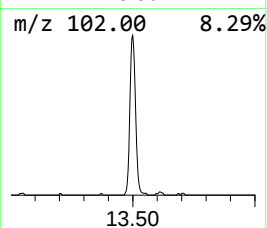
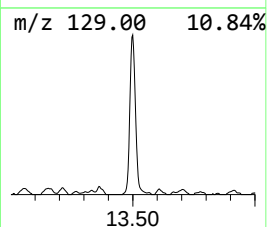
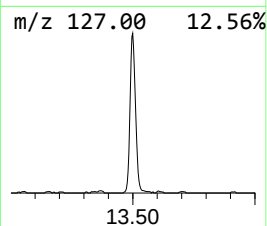
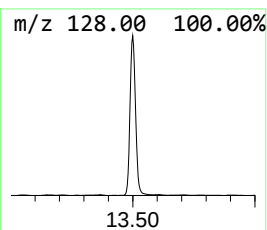
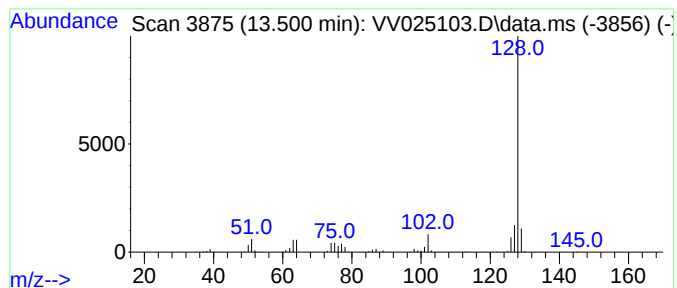
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.500	5.36 ug/L	474332	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	94
3			Azulene	128	C10H8	000275-51-4	93
4			Azulene	128	C10H8	000275-51-4	91
5			Azulene	128	C10H8	000275-51-4	90



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Instrument :
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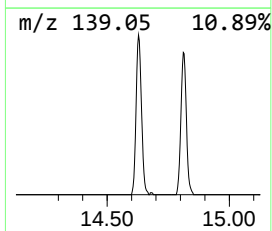
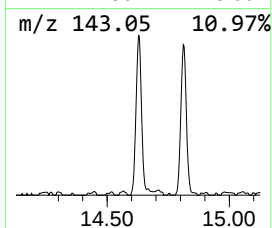
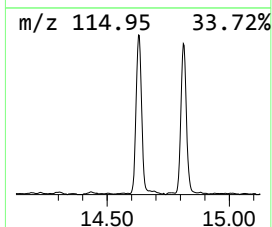
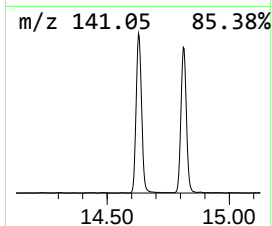
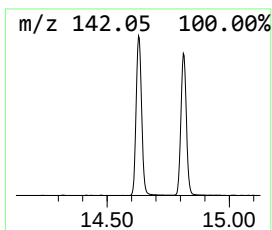
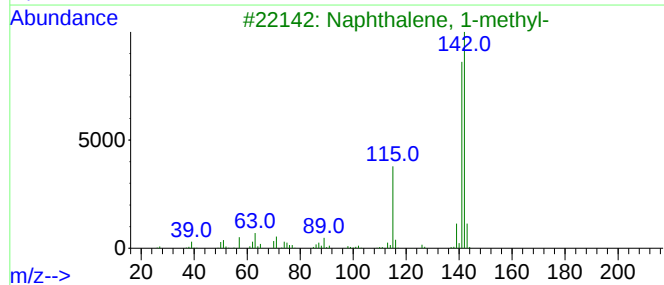
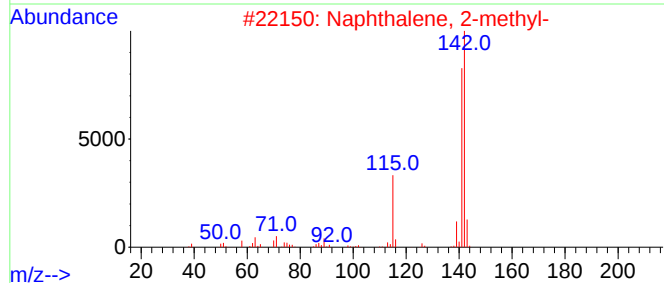
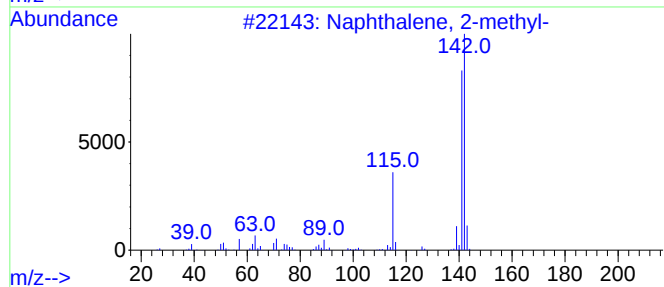
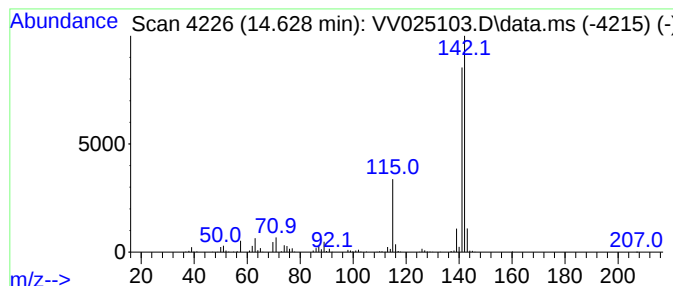
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.628	5.17 ug/L	458177	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



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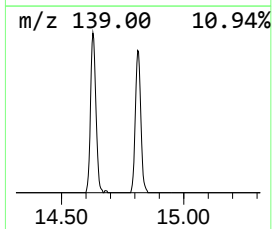
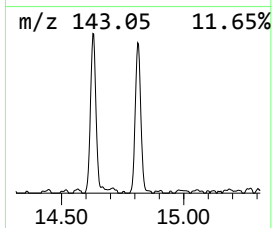
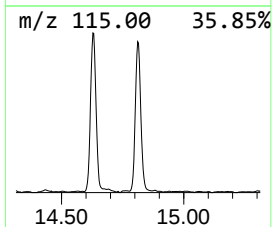
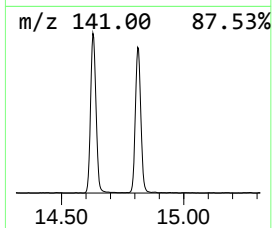
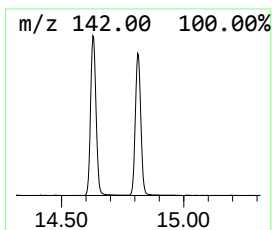
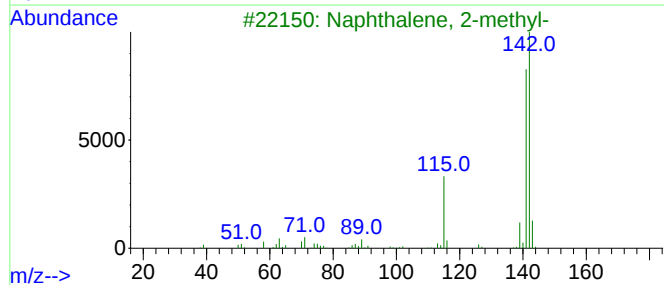
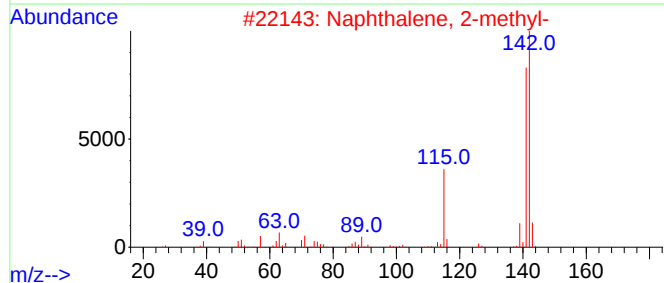
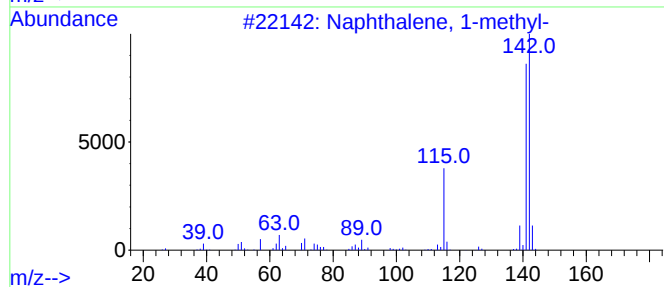
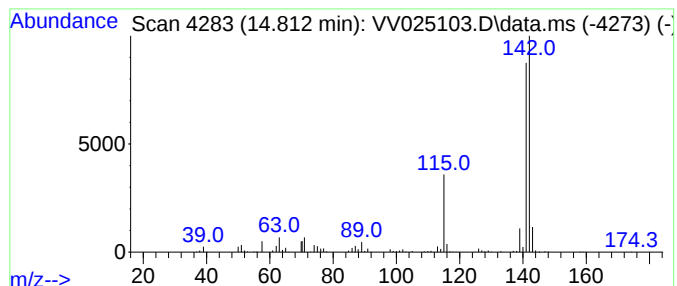
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.812	4.78 ug/L	423226	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



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C0Q78

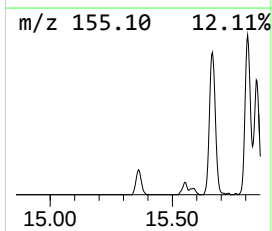
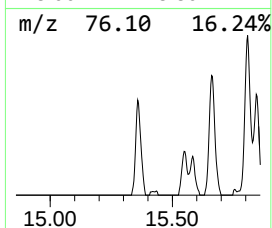
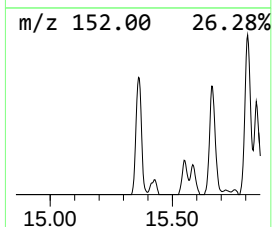
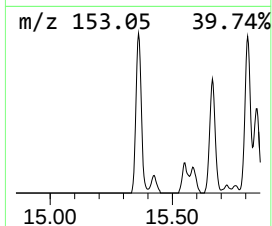
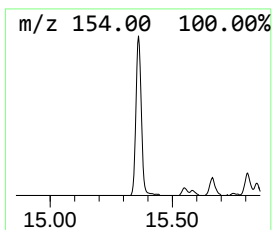
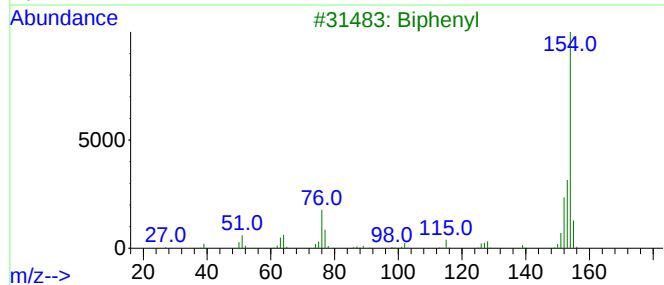
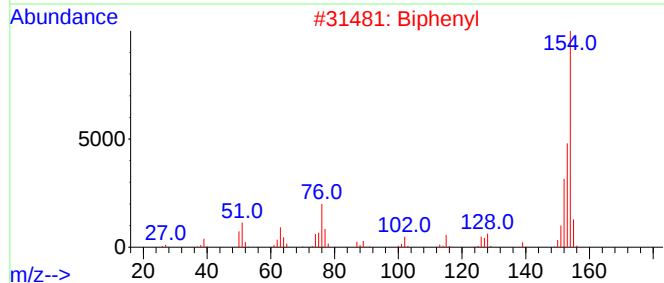
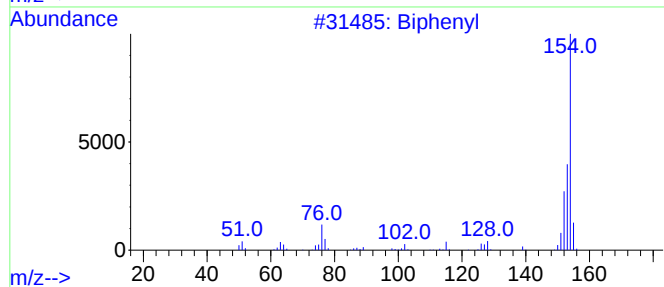
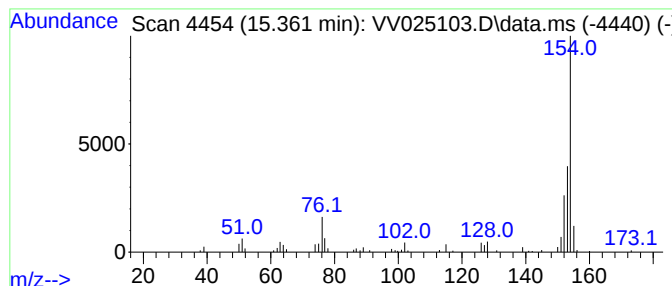
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Biphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.361	1.02 ug/L	89879	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Biphenyl	154	C12H10	000092-52-4	95
2			Biphenyl	154	C12H10	000092-52-4	87
3			Biphenyl	154	C12H10	000092-52-4	87
4			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	81
5			Biphenyl	154	C12H10	000092-52-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

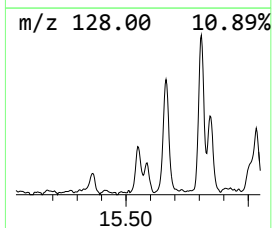
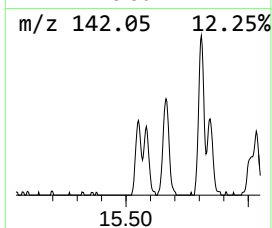
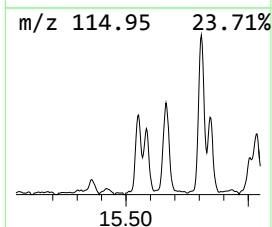
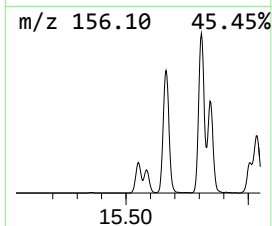
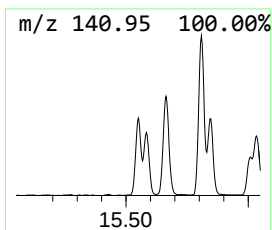
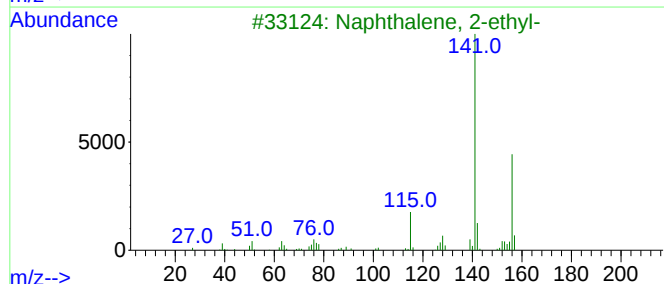
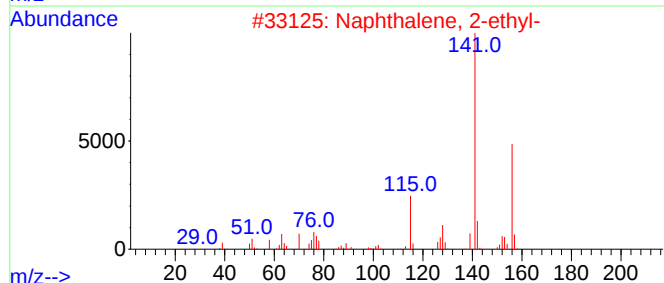
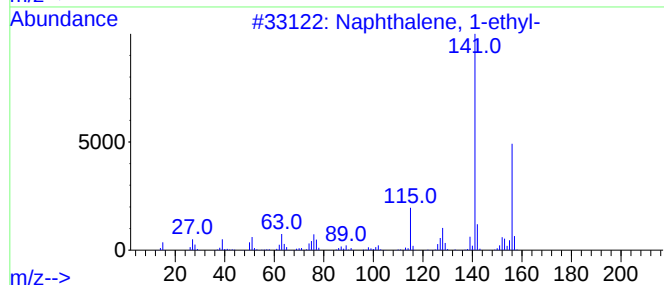
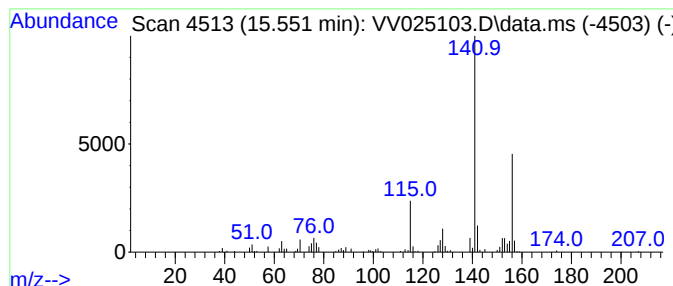
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.551	1.28 ug/L	112982	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

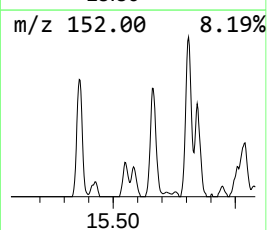
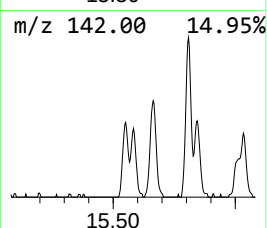
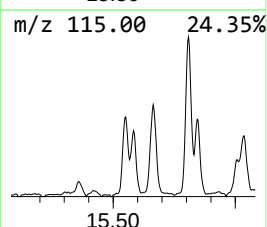
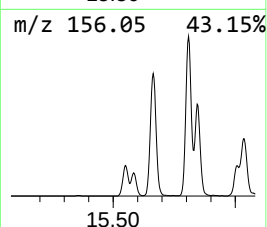
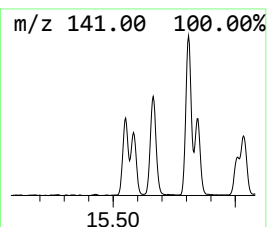
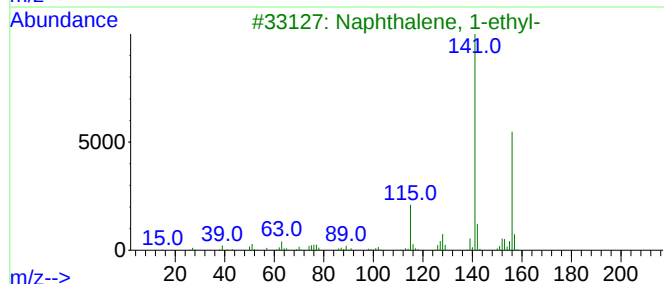
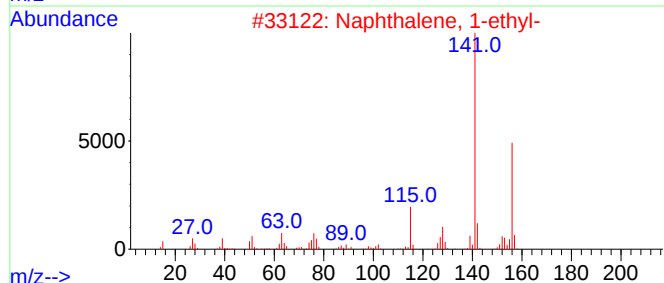
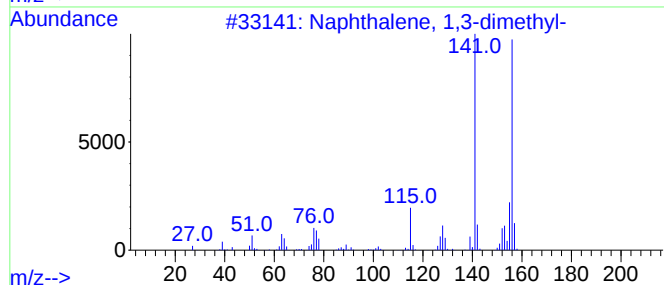
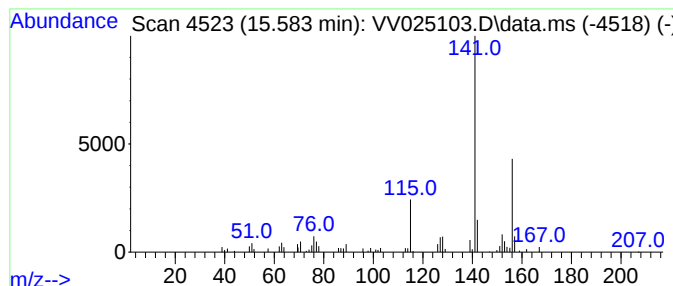
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.583	0.96 ug/L	85294	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
2			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
3			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
4			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

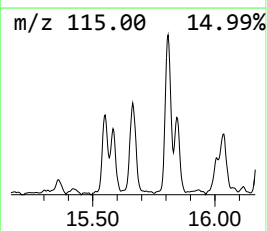
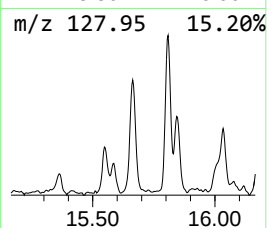
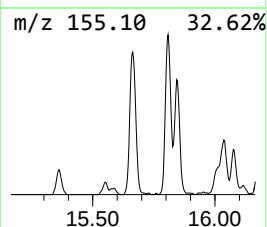
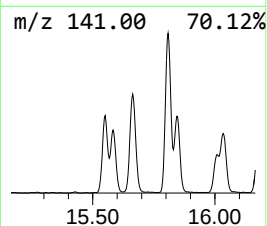
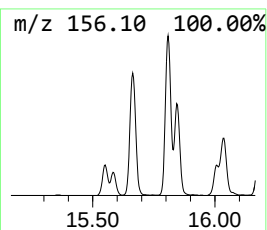
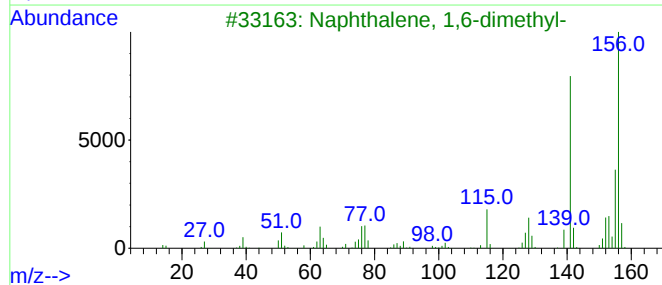
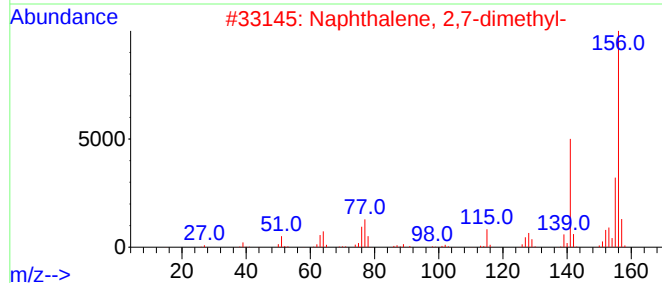
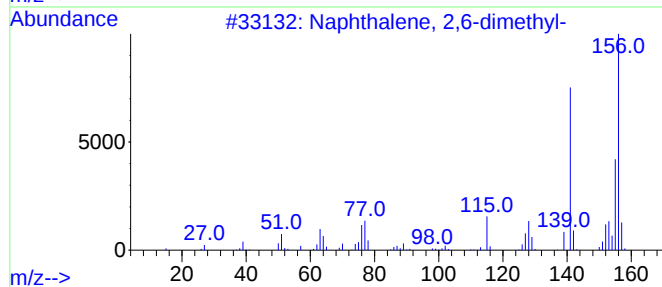
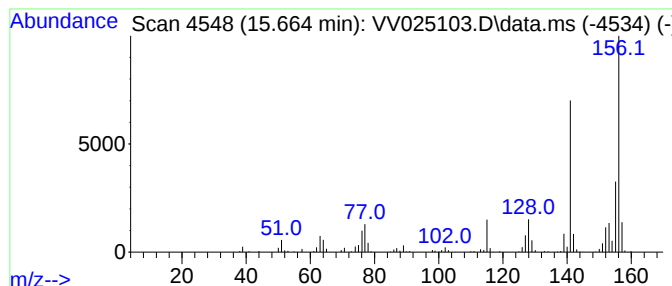
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.664	3.34 ug/L	295905	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

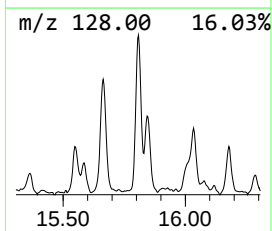
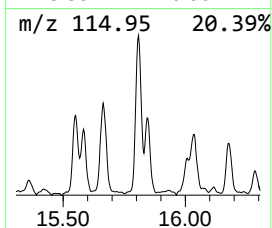
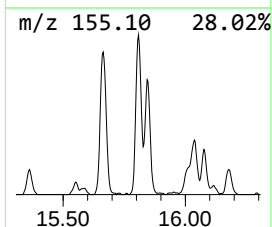
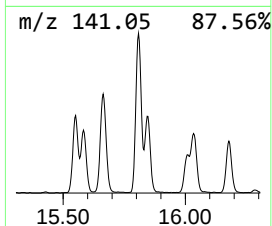
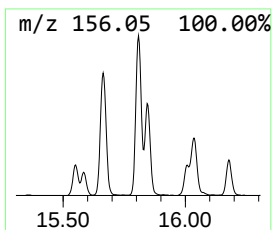
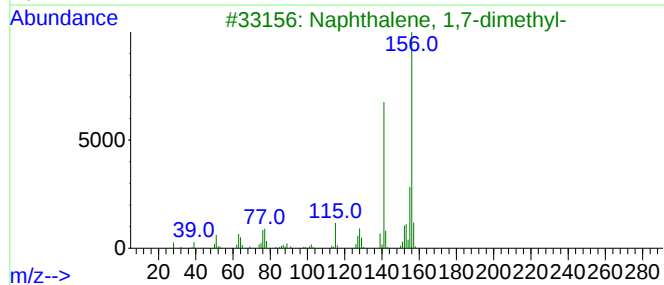
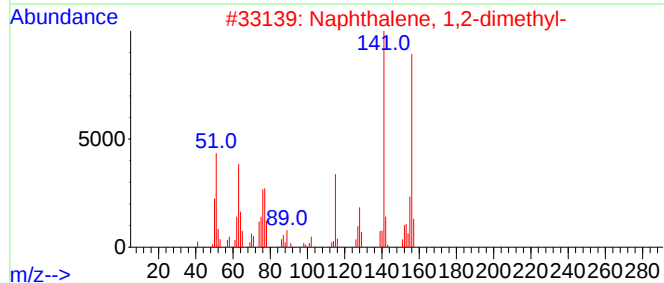
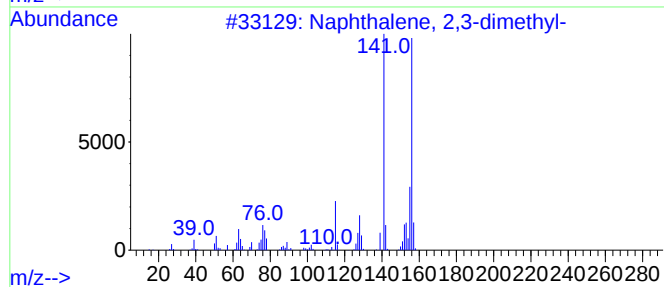
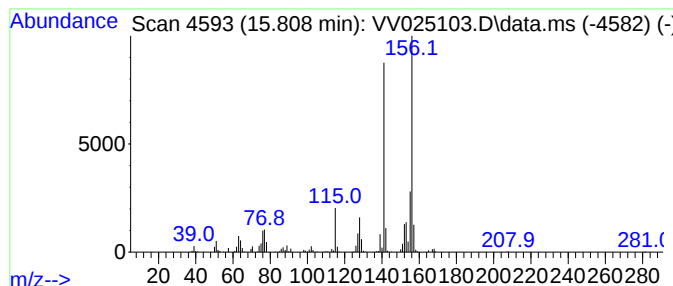
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.808	4.46 ug/L	394669	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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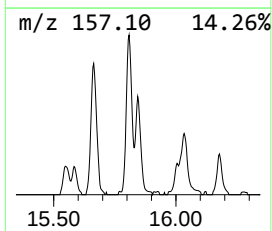
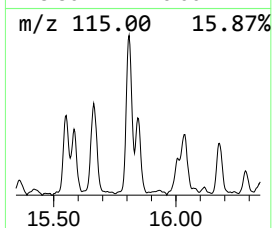
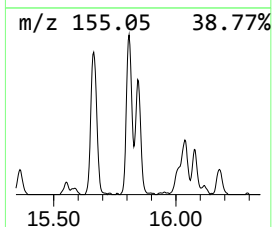
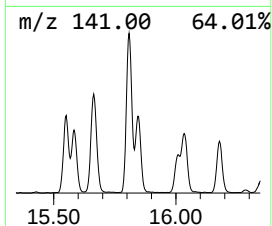
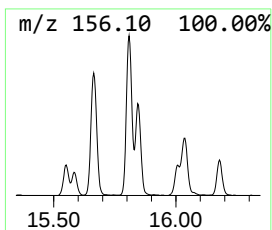
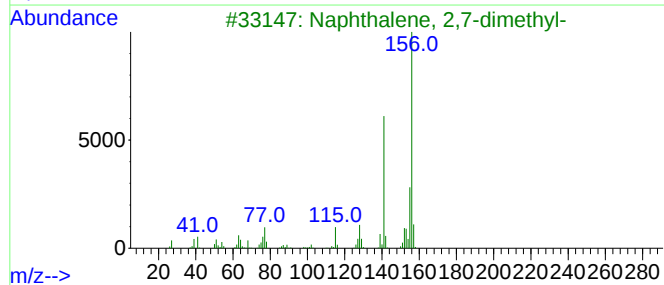
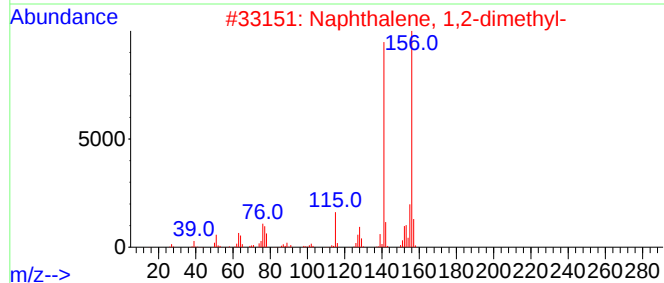
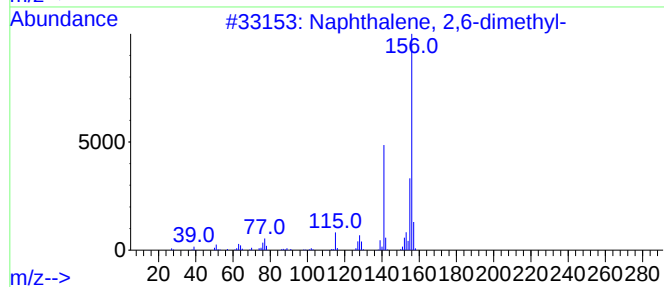
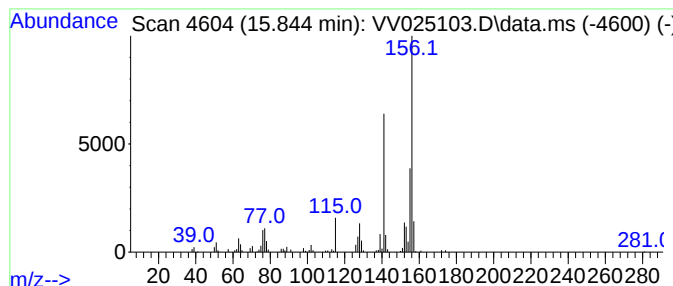
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.844	2.08 ug/L	184345	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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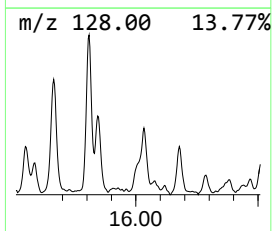
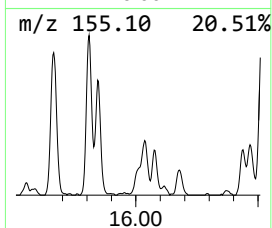
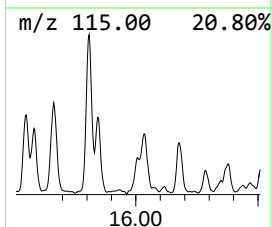
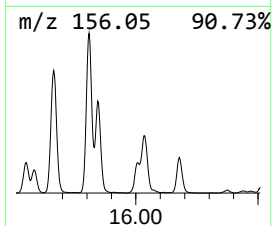
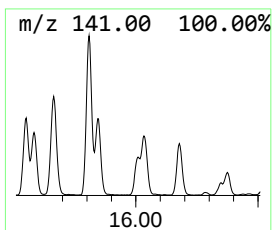
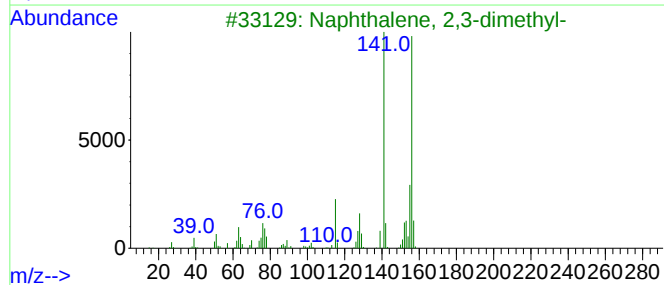
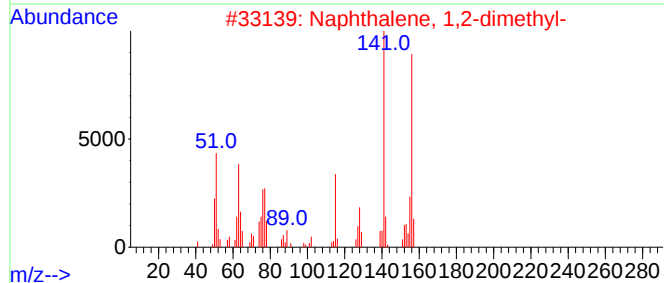
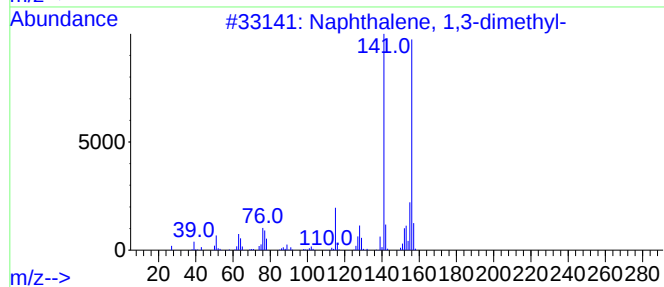
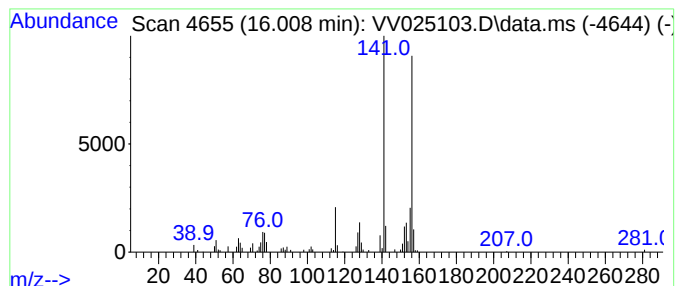
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.008	0.71 ug/L	63111	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

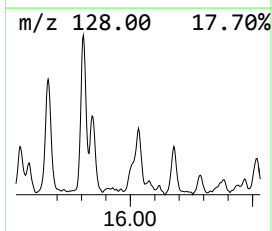
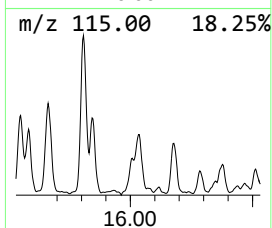
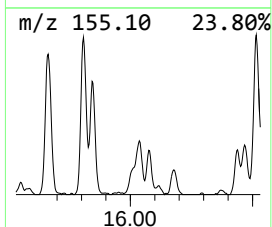
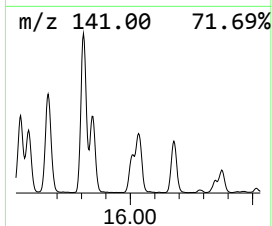
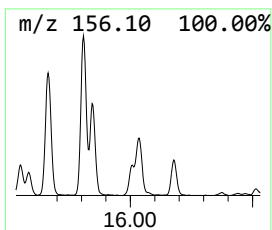
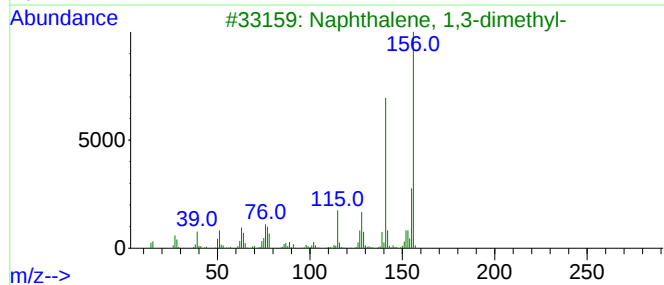
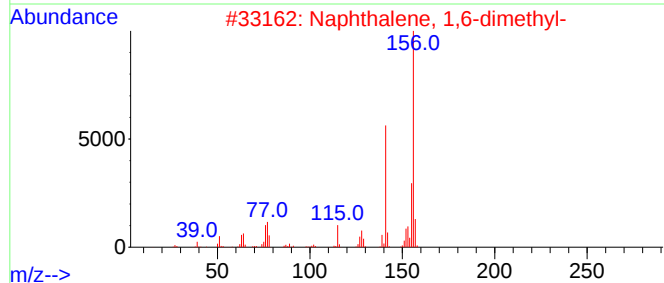
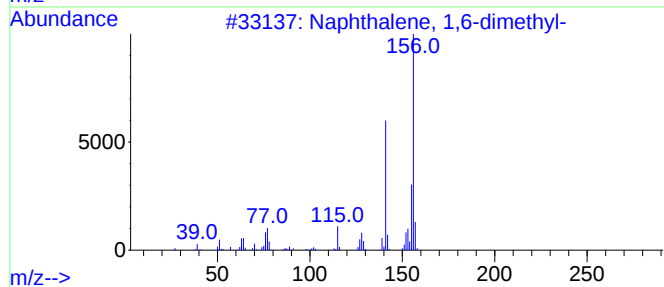
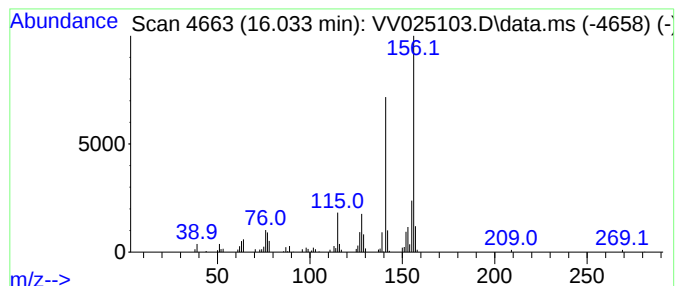
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.033	1.59 ug/L	140701	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

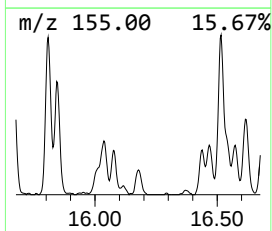
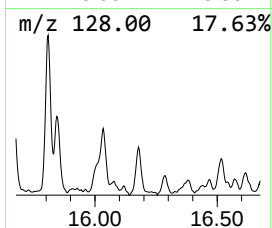
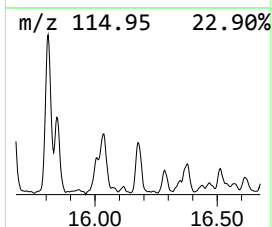
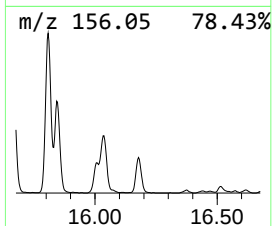
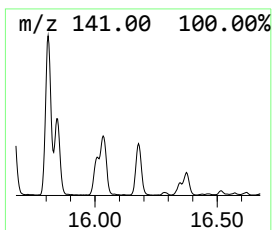
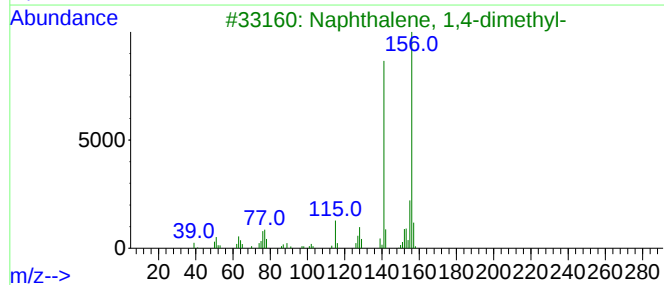
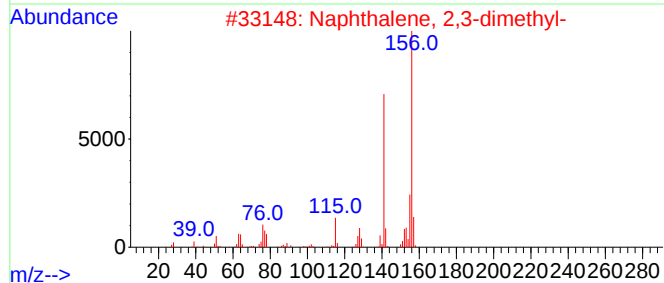
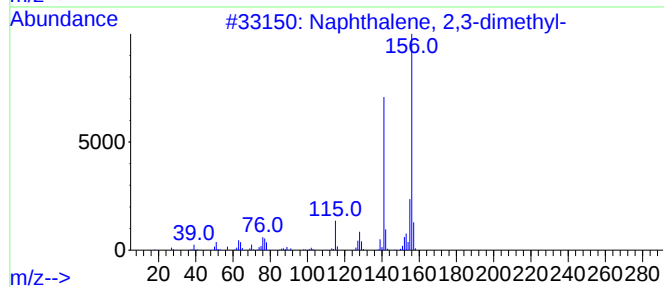
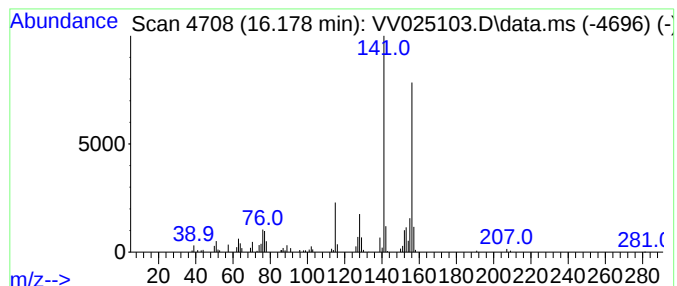
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.178	1.15 ug/L	101748	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

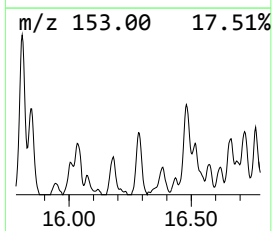
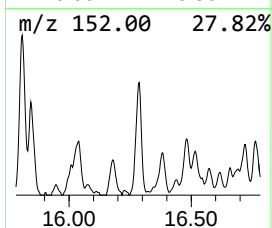
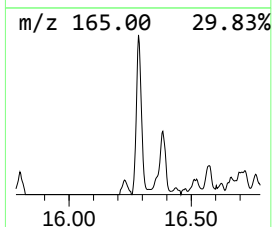
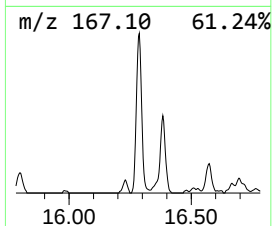
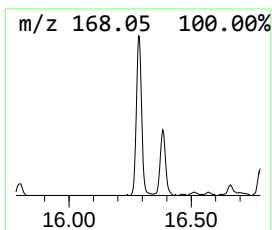
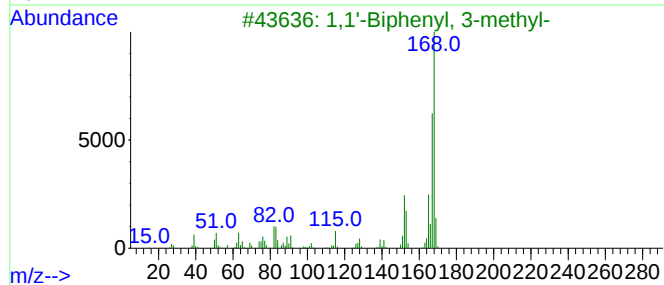
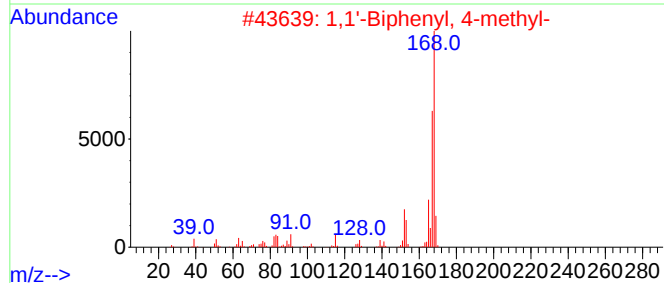
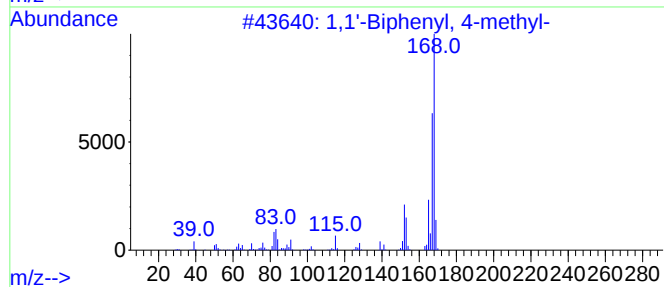
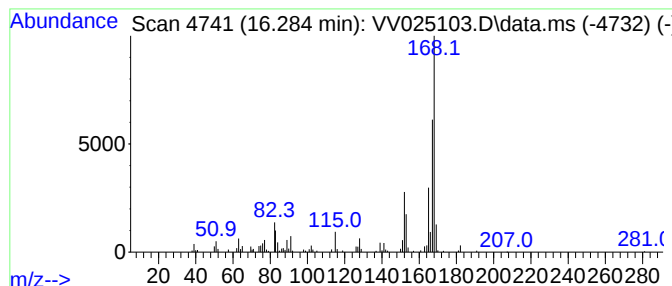
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1,1'-Biphenyl, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.284	1.25 ug/L	111045	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	96
2	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	95
3	1,1'-Biphenyl, 3-methyl-			168	C13H12	000643-93-6	95
4	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	95
5	1,1'-Biphenyl, 2-methyl-			168	C13H12	000643-58-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

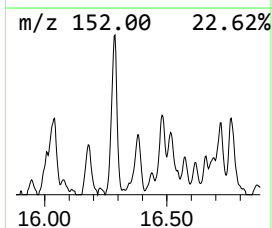
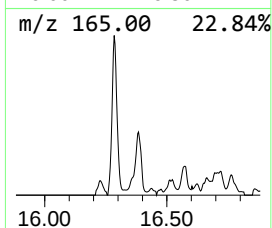
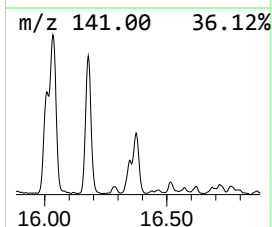
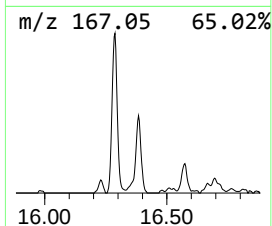
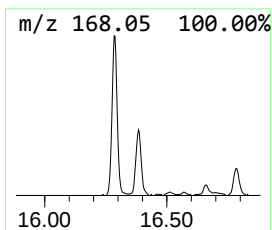
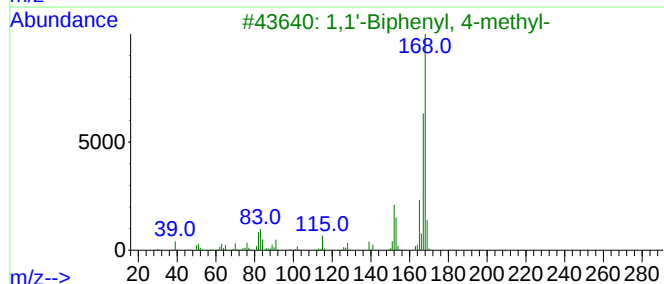
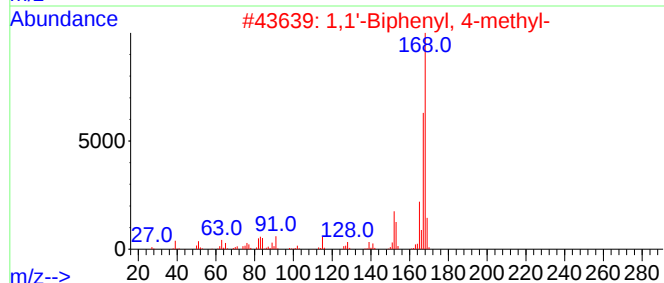
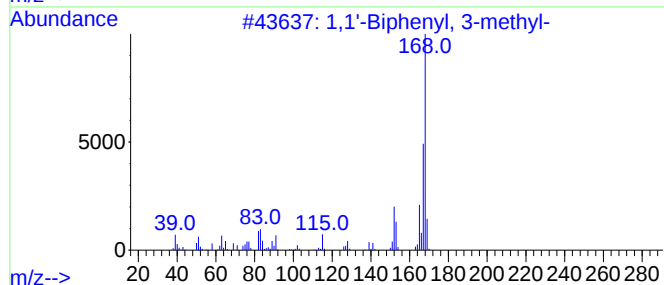
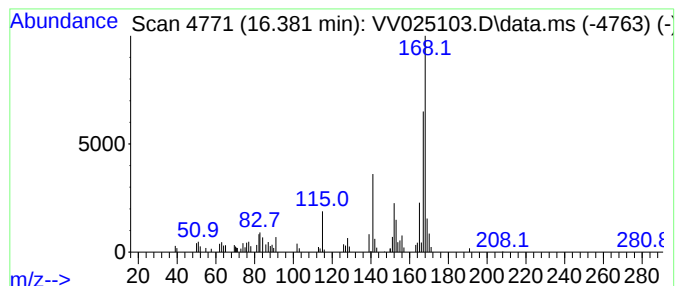
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 1,1'-Biphenyl, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.381	0.84 ug/L	74600	1,4-Dichlorobenzene-d4	11.246

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	89	
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	89	
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	89	
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	76	
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	76	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

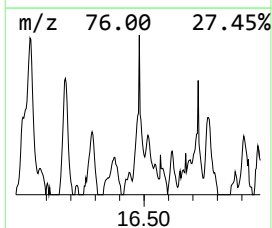
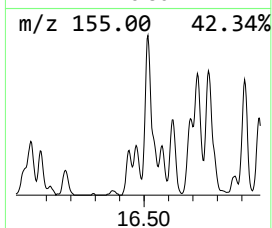
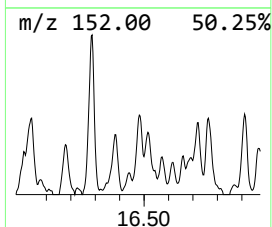
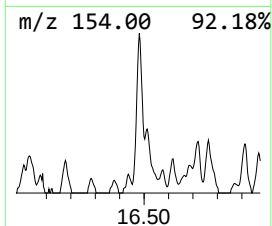
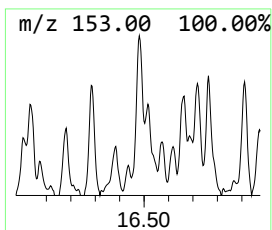
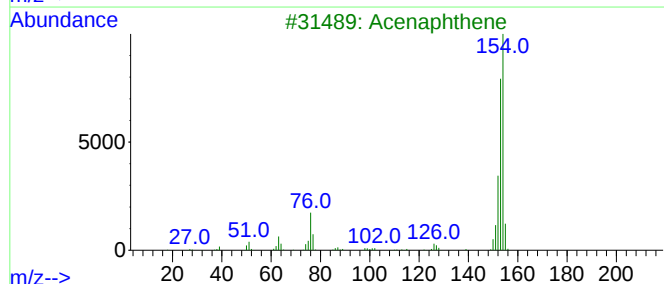
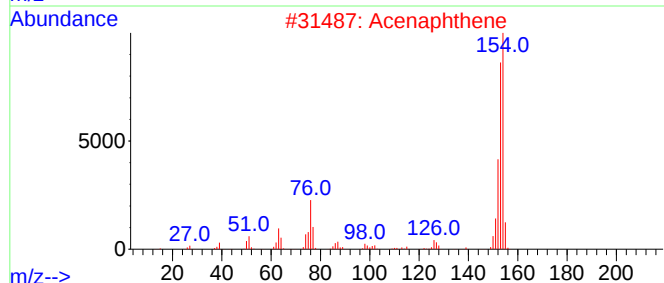
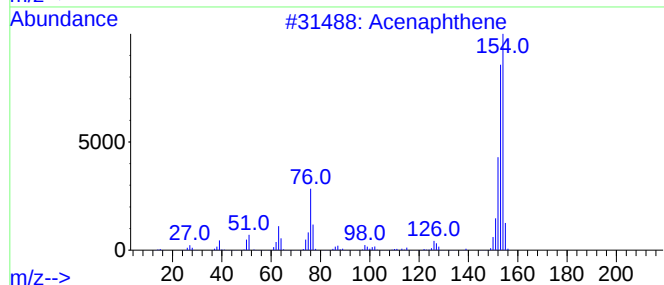
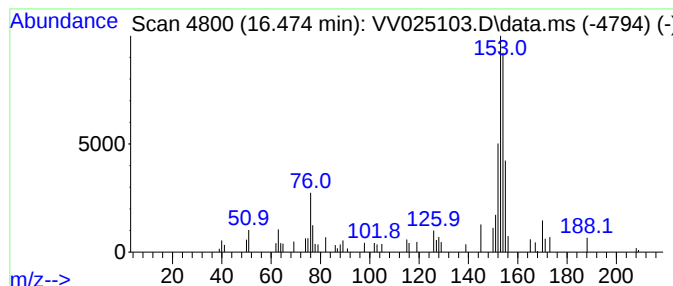
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Acenaphthene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.474	0.55 ug/L	48683	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	70
2			Acenaphthene	154	C12H10	000083-32-9	70
3			Acenaphthene	154	C12H10	000083-32-9	70
4			Hexa-2,4-diyn-1-ylbenzene	154	C12H10	000520-74-1	52
5			Biphenyl	154	C12H10	000092-52-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

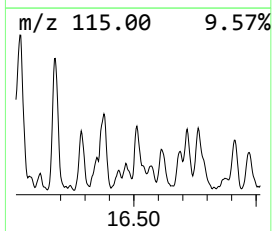
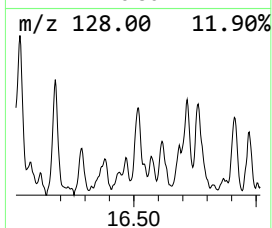
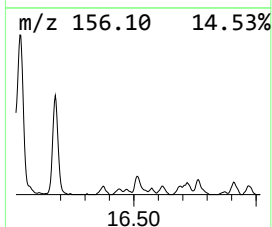
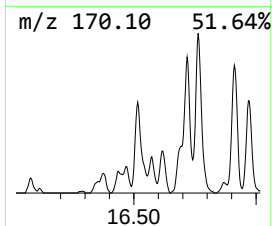
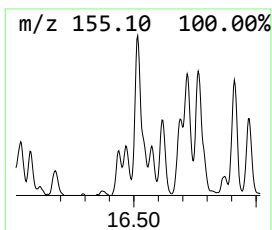
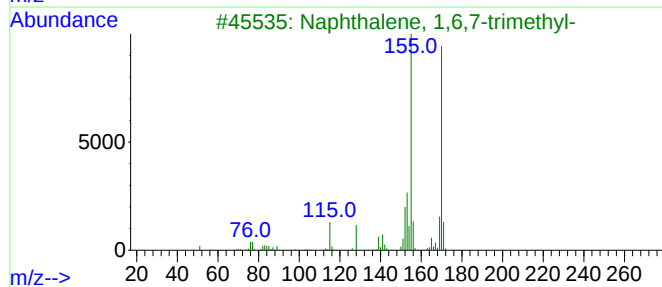
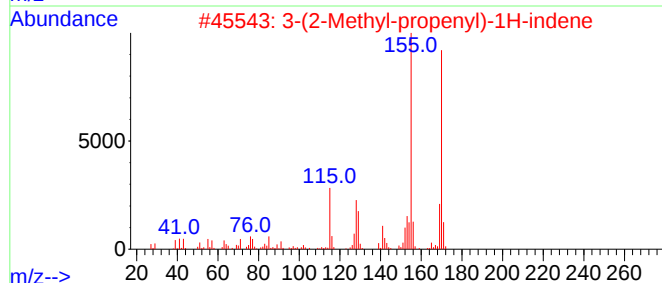
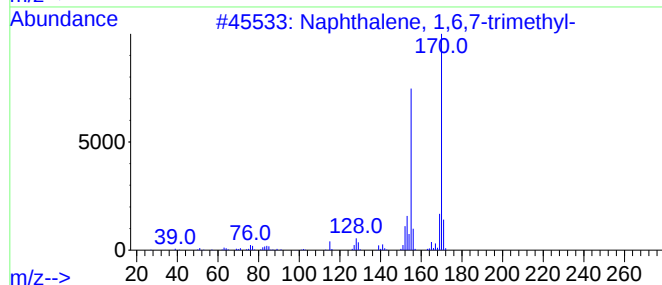
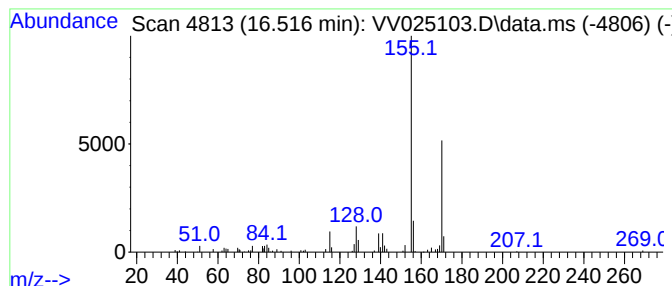
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.516	1.20 ug/L	106046	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
2			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	86
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	80
5			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

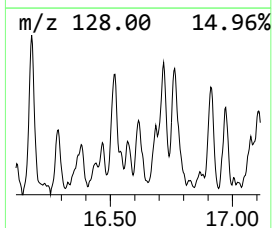
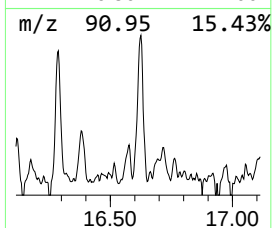
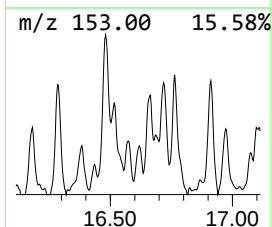
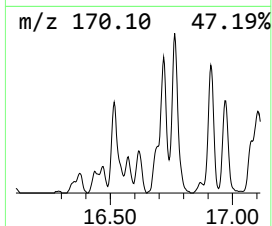
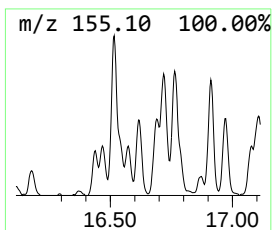
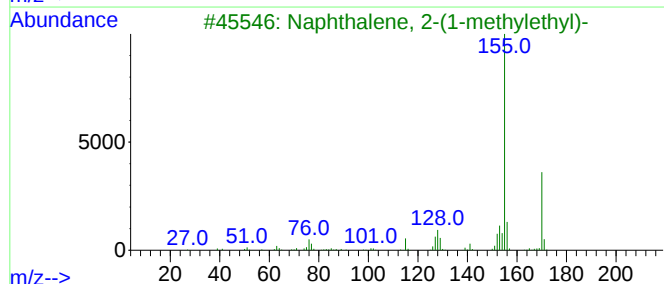
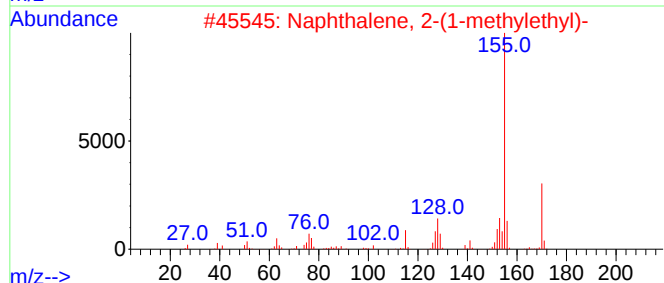
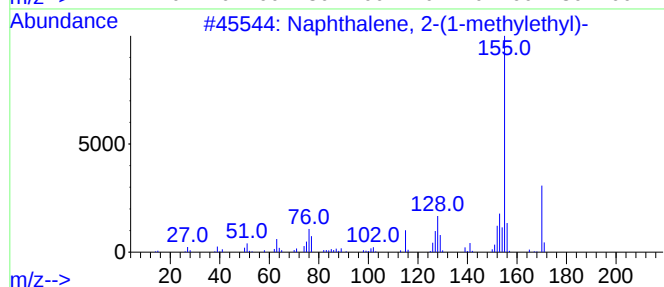
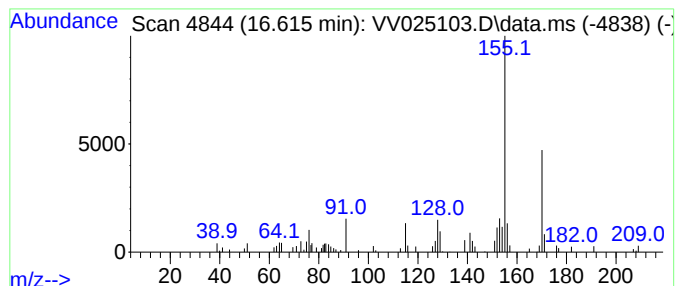
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Naphthalene, 2-(1-methyleth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.615	0.52 ug/L	45735	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	94
2			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
5			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

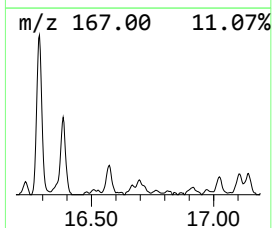
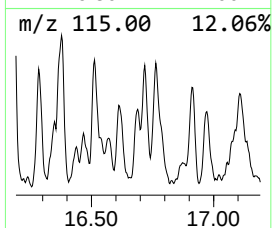
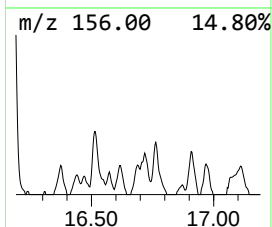
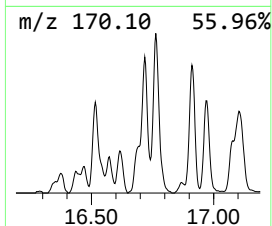
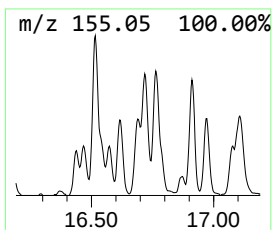
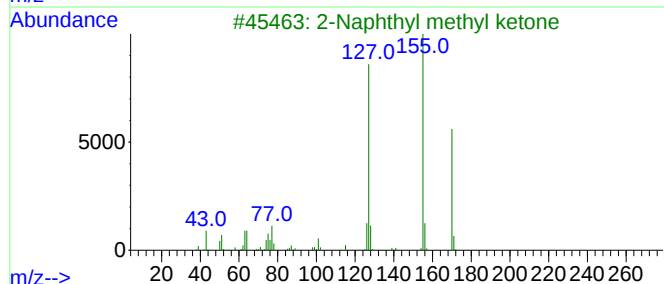
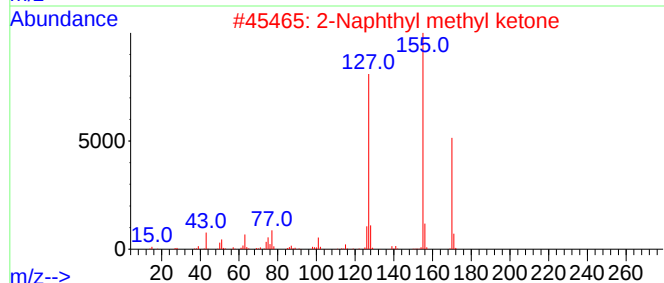
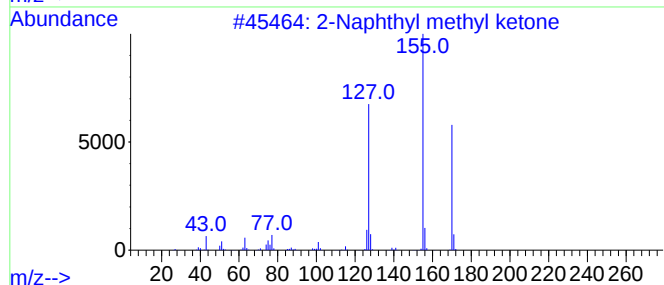
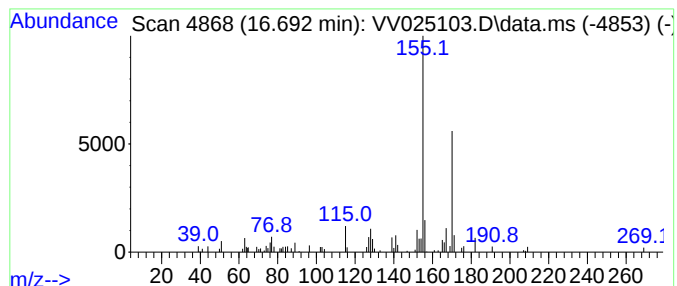
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 2-Naphthyl methyl ketone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.692	0.65 ug/L	57785	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74
2			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
3			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	72
5			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

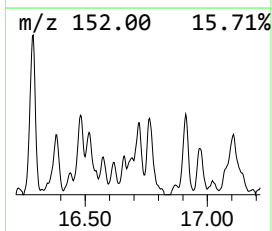
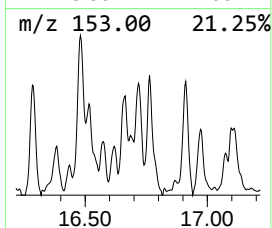
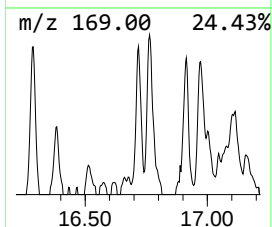
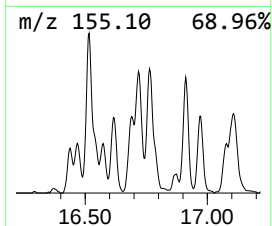
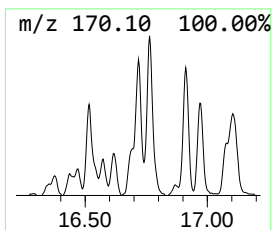
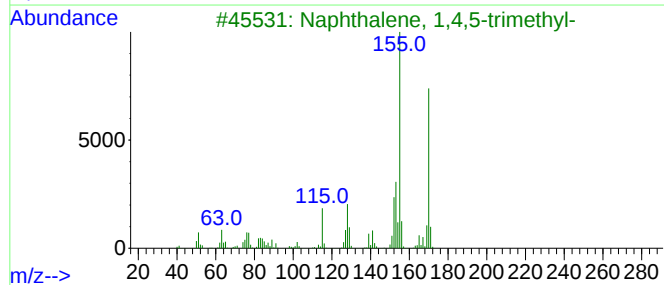
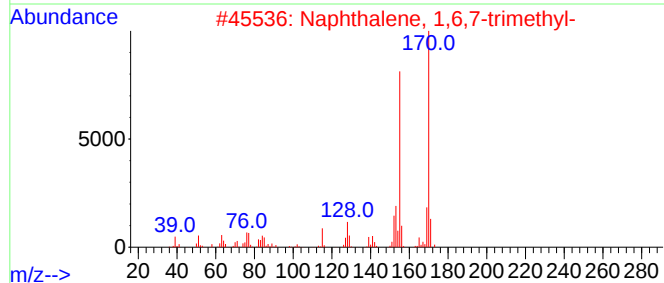
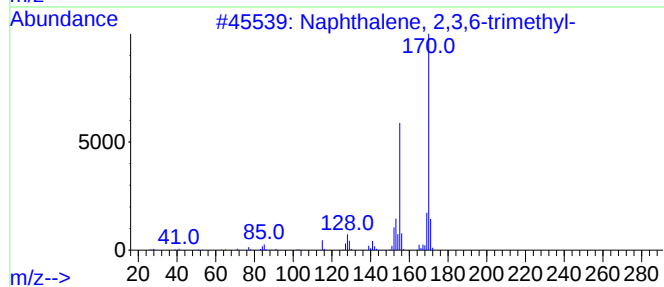
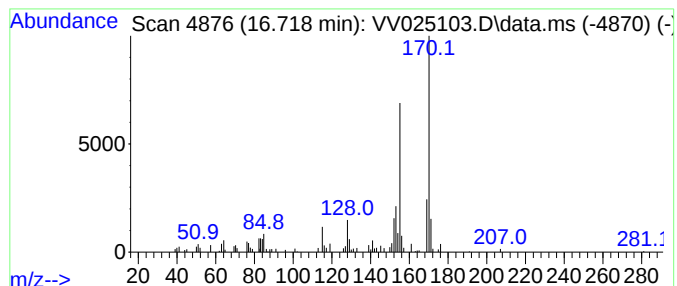
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.718	1.09 ug/L	96842	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
4			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

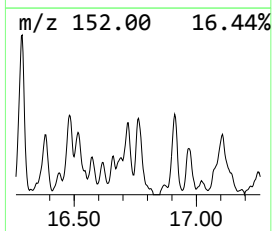
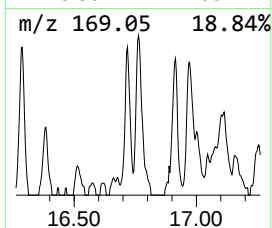
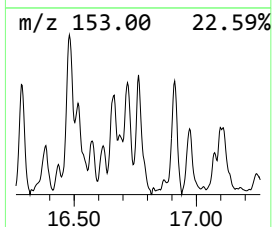
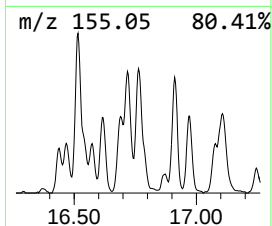
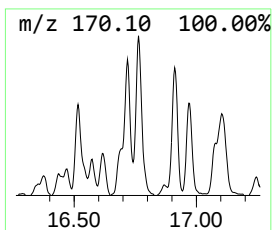
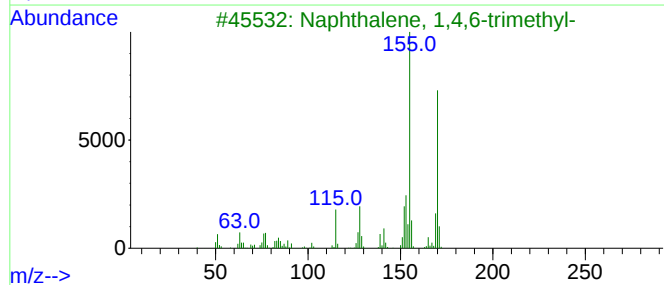
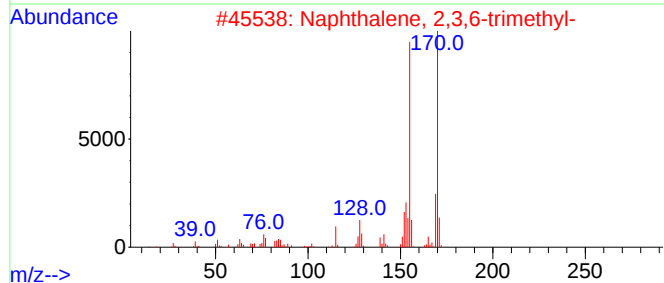
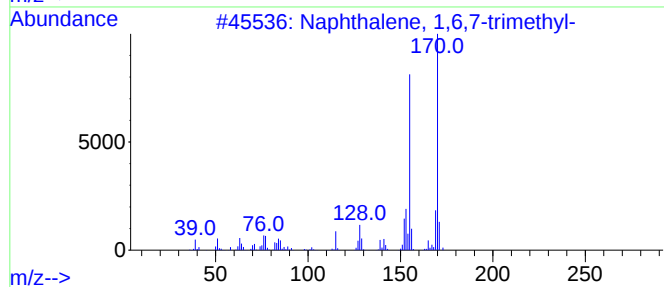
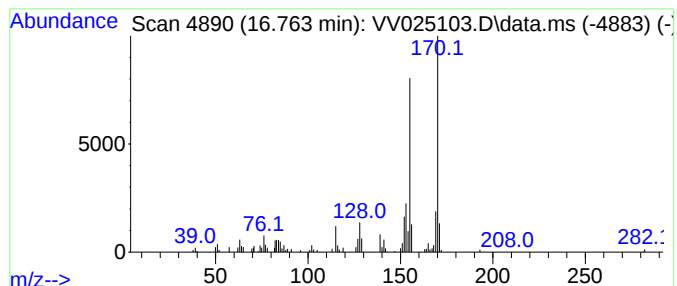
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 Naphthalene, 1,6,7-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.763	1.31 ug/L	116141	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

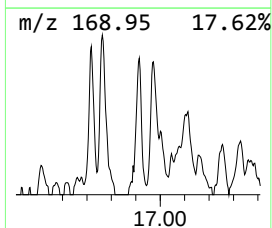
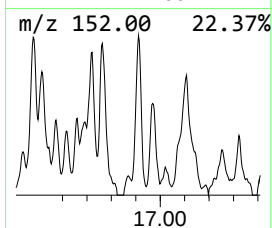
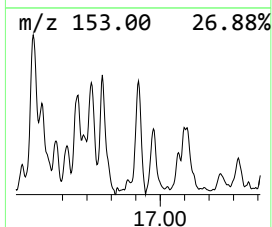
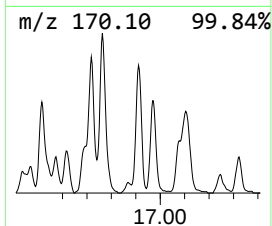
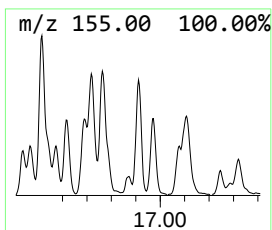
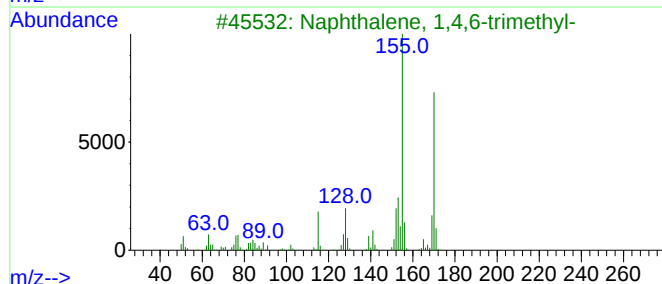
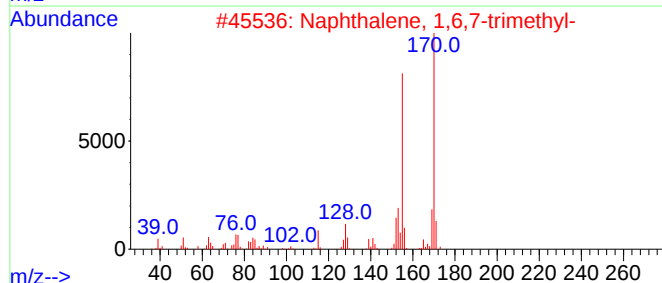
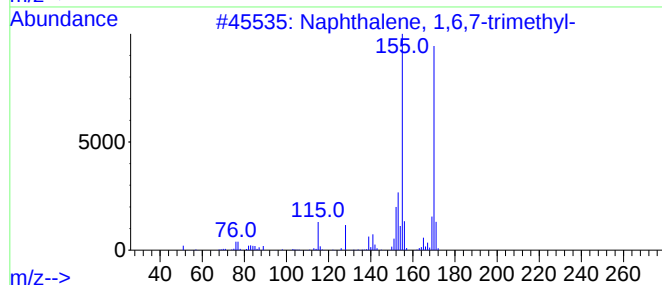
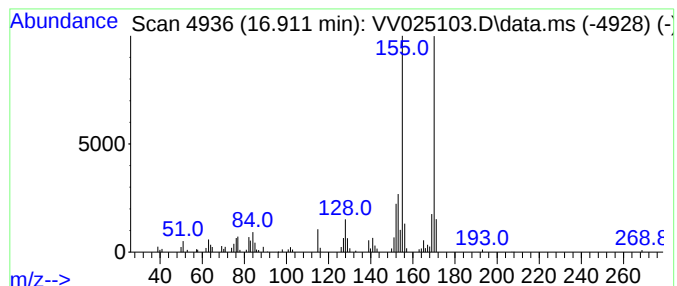
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.911	0.96 ug/L	84906	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

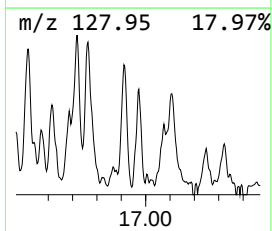
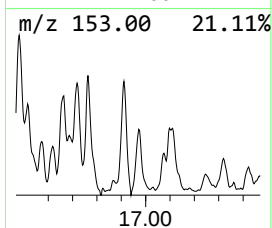
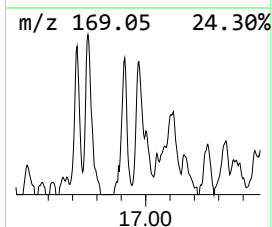
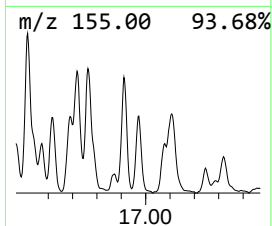
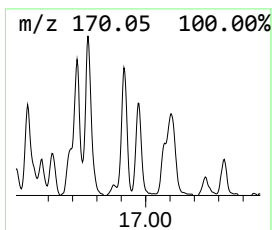
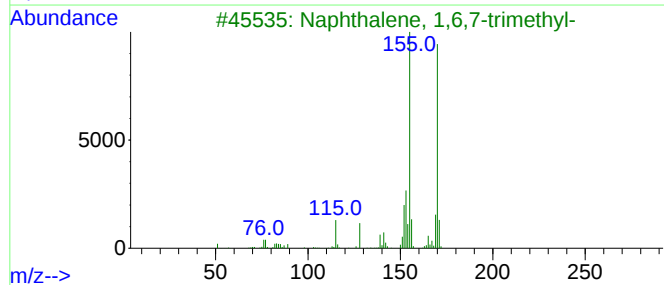
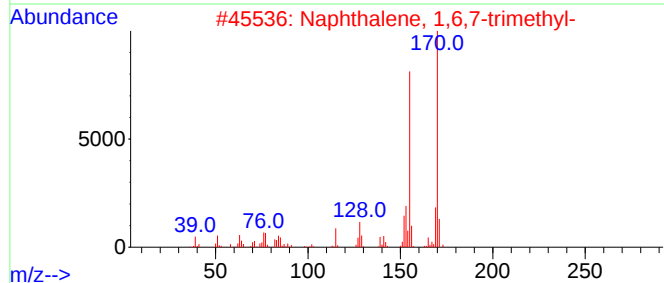
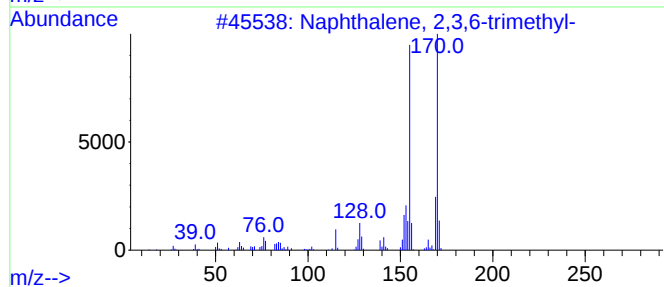
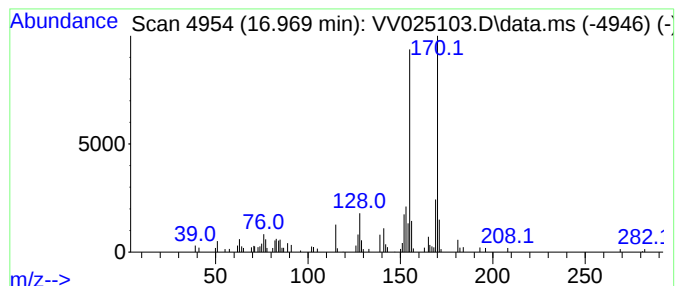
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.969	0.74 ug/L	65548	1,4-Dichlorobenzene-d4	11.246

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025103.D
Acq On : 18 Mar 2022 17:19
Operator : SY/MD
Sample : N2018-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Q78

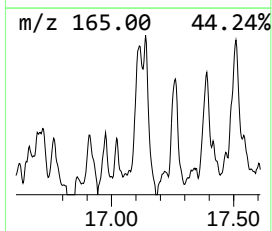
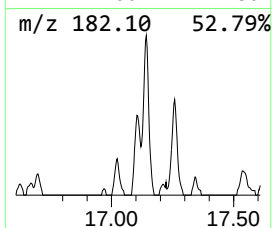
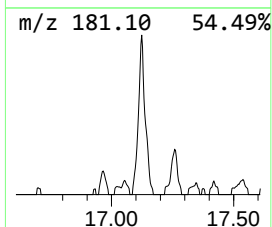
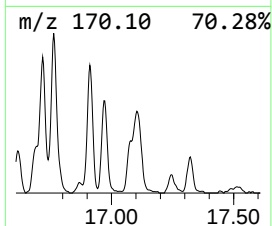
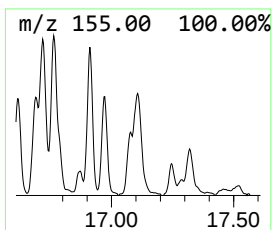
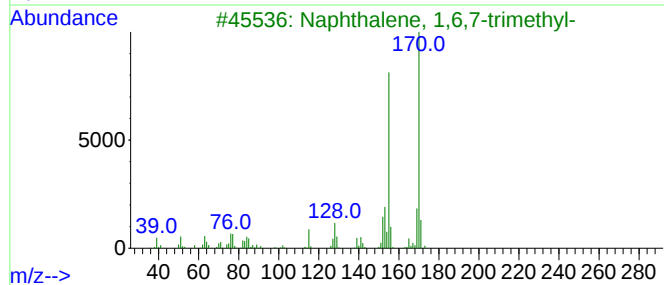
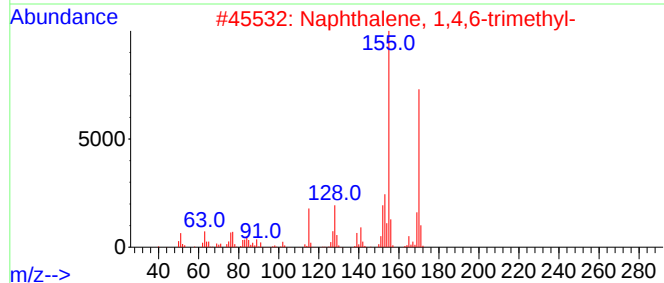
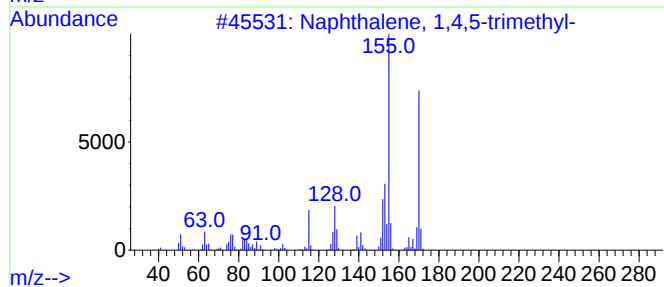
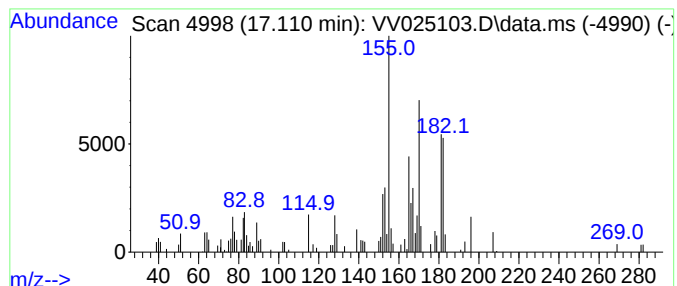
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 Naphthalene, 1,4,5-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.110	0.63 ug/L	55580	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	62
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	56
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	52
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46
5			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	44



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031822\
 Data File : VW025103.D
 Acq On : 18 Mar 2022 17:19
 Operator : SY/MD
 Sample : N2018-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0Q78

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Azulene	13.500	5.4	ug/L	474332	3	11.246	442712	5.0
Naphthalene, 2-...	14.628	5.2	ug/L	458177	3	11.246	442712	5.0
Naphthalene, 1-...	14.812	4.8	ug/L	423226	3	11.246	442712	5.0
Biphenyl	15.361	1.0	ug/L	89879	3	11.246	442712	5.0
Naphthalene, 1-...	15.551	1.3	ug/L	112982	3	11.246	442712	5.0
Naphthalene, 1,...	15.583	1.0	ug/L	85294	3	11.246	442712	5.0
Naphthalene, 2,...	15.664	3.3	ug/L	295905	3	11.246	442712	5.0
Naphthalene, 2,...	15.808	4.5	ug/L	394669	3	11.246	442712	5.0
Naphthalene, 1,...	15.844	2.1	ug/L	184345	3	11.246	442712	5.0
Naphthalene, 1,...	16.008	0.7	ug/L	63111	3	11.246	442712	5.0
Naphthalene, 1,...	16.033	1.6	ug/L	140701	3	11.246	442712	5.0
unknown-01	16.178	1.1	ug/L	101748	3	11.246	442712	5.0
1,1'-Biphenyl, ...	16.284	1.3	ug/L	111045	3	11.246	442712	5.0
1,1'-Biphenyl, ...	16.381	0.8	ug/L	74600	3	11.246	442712	5.0
Acenaphthene	16.474	0.6	ug/L	48683	3	11.246	442712	5.0
3-(2-Methyl-pro...	16.516	1.2	ug/L	106046	3	11.246	442712	5.0
Naphthalene, 2-...	16.615	0.5	ug/L	45735	3	11.246	442712	5.0
2-Naphthyl meth...	16.692	0.7	ug/L	57785	3	11.246	442712	5.0
Naphthalene, 2,...	16.718	1.1	ug/L	96842	3	11.246	442712	5.0
Naphthalene, 1,...	16.763	1.3	ug/L	116141	3	11.246	442712	5.0
Naphthalene, 1,...	16.911	1.0	ug/L	84906	3	11.246	442712	5.0
unknown-02	16.969	0.7	ug/L	65548	3	11.246	442712	5.0
Naphthalene, 1,...	17.110	0.6	ug/L	55580	3	11.246	442712	5.0